LISTING No. 7210-1218:116

CATEGORY: Flame Detector

LISTEE: Detector Electronics, 6901 W. 110th St., Minneapolis MN 55438
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DESIGN: Model Eagle Quantum Premier fire and gas detection/releasing system. For automatic releases of extinguishing systems and other fire protection equipment, local protective signaling, automatic release of preaction and deluge sprinkler systems, control panels, combustible toxic gas detectors – fixed, low concentration gas detectors, and for use in hazardous locations. Refer to listee's data sheet for detailed product description and operational considerations. System components:

EQ300X	Controller
EQ3800	Power Distribution Module
EQ2110PS, EQ2130PS, EQ2175PS,	Power Supply
EQ2100PSM	Power Supply Monitor
EQ22xxIDC, EQ22EMIDC	Initiating Device Circuit
EQ22xxIDCGF, EQ22EMIDCGF	Initiating Device Circuit Ground Fault
EQ25xxARM, EQ25EMARM	Agent Release Module
EQ25xxSAM, EQ25EMSAM	Signal Audible Module
EQ24xxNE, EQ24EMNE	Network Extender
EQ22xxUVIR	Flame Detector
EQ22xxUV	Ultraviolet Flame Detector
EQ22xxUVHT/C7050B	UV Flame Electronics Module/Detector
X3301xxx14xx	Multi IR Flame Detector
X3302xxx14xx	Multi IR Flame Detector
X2200xxx14xx	UV Flame Detector
X9800xxx14xx	IR Flame Detector
X5200xxx14xx	UV/IR Flame Detector
EQ3700	Direct Current Input/Output Module, B Channel
EQ3710xx	Analog Input Module (AIM)
EQ3720xx	Relay Module (RM)
EQ3730xx	Enhanced Discrete Input/Output (EDIO)
EQ3740xx	Intelligent Protection Module (IPM)
EQ24xxPLR	Physical Layer Repeater (PLR)
EQ2220xx	Ground Fault Monitor (GFM)
008056-xxx	HART Interface Module (HIM)
EQ3800ab	Power Distribution Module
EQ3900Xabcdefghi	Base Enclosure
PIRECLabcdef, PIRDUCTabcd	Eclipse IR Hydrocarbon Gas Detector
PIRTBabcdef	Pointwatch Termination Box
EQ2200DCU	Digital Communication Unit
C7064Exxxx	Hydrogen Sulfide Sensors
PIR9400abcdef	Pointwatch IR Hydrocarbon Gas Detector
EQ2200DCUEX, EQ22abDCU	Digital Communication Unit
STBabcA	Sensor Termination Box
EQ22EMDCU, -EX	Digital Communication Unit
EQEMPLR	Module
CGSabcdefghi	Combustible Gas Sensor

RATING: 24 VDC

INSTALLATION: In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.

MARKING: Listee's name, model number, voltage rating and FM label.

APPROVAL: Listed as flame detectors for use with separately listed compatible fire alarm control units. Models EQ300X, EQ3700 and EQ3800 are suitable for use in Class I, Division 2, Groups A, B, C and D, hazardous locations indoor use. The EQ22EMIDC Initiating Device Circuit is suitable for use in Class I, Division 2, Groups A, B, C, and D hazardous locations. Models EQ22xxUVIR, EQ22xxUV and EQ22xxUVHT/C7050B Electronic/Module Flame Detectors are suitable for use in Class I, Division 1, Groups B, C, and D; Class II/III, Division 1, Groups E, F, and G; Class I, Division 2 Groups A, B, C and D; Class II/III, Division 2, Groups F and G hazardous locations and for indoor/outdoor applications (NEMA Type 4X enclosure).

*Rev. 04-25-08 bh

This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: **JUNE 2, 2008**   *Listing Expires **June 30, 2009***

Authorized By: ***BEN HO**, Chief*
Fire Engineering Division